

## New England Biolabs Certificate of Analysis


**Product Name:** *Monarch® HMW DNA Extraction Kit for Tissue*  
**Catalog Number:** *T3060G*  
**Packaging Lot Number:** *10251134*  
**Expiration Date:** *07/2026*  
**Storage Temperature:** *25°C*  
**Specification Version:** *PS-T3060G v3.0*

Monarch® HMW DNA Extraction Kit for Tissue Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
T3062-21	Monarch® Protein Separation Solution	10249661	Pass
T3061-21	Monarch® HMW gDNA Tissue Lysis Buffer	10249655	Pass
T3056-21	Monarch® gDNA Elution Buffer II	10249650	Pass
T3018-21	Monarch® RNase A	10249323	Pass
T3015-21	Monarch® gDNA Wash Buffer	10250960	Pass
T3005-21	Monarch® DNA Capture Beads (10)	10249475	Pass
T3004-21	Monarch® Bead Retainers	10249474	Pass
T3003-21	Monarch® 2 ml Tubes (10)	10249473	Pass
T3002-21	Monarch® Pestles (5)	10249353	Pass
T3001-21	Monarch® Pestle Tubes (5)	10249350	Pass
T2118-23	Monarch® Spin Collection Tubes	10249347	Pass
P8200GVIAL	Proteinase K, Molecular Biology Grade	10250245	Pass

Assay Name/Specification	Lot # 10251134
<p><b>* Individual Product Component Note</b> Standard Quality Control Tests are performed for each component included in Monarch® HMW DNA Extraction Kit for Tissue and meet the designated specifications.</p>	<b>Pass</b>
<p><b>Functional Testing (Genomic DNA Yield and Integrity Analysis) (Tissue)</b> Genomic DNA is purified from 8 samples of NEB 10-beta Competent E. coli using the High Molecular Weight DNA Extraction from Bacteria protocol. Each set of reagents is functionally tested to ensure successful isolation of gDNA from 1 x 10<sup>9</sup> cells. Yield of genomic DNA is ≥6 µg in ≥80% of the samples. OD 260/280 and 260/230 are ≥1.75 in ≥80% of the samples, and DIN values are ≥9 in ≥80% of the samples. In ≥ 80% of samples, ≥ 75% of the DNA is 50 kb in size or greater.</p>	<b>Pass</b>

This product has been tested and shown to be in compliance with all specifications.

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13 Sep 2024



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Julie Gaumont  
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17 Sep 2024